

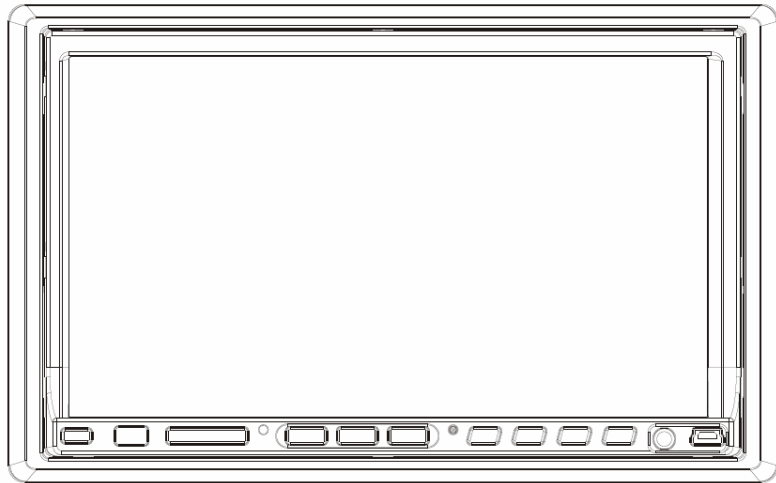
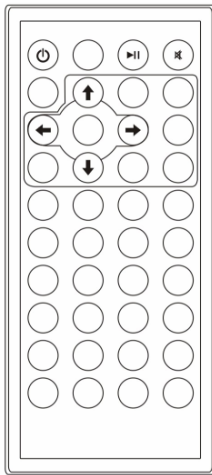


**AVD701**

# **OWNER'S MANUAL**

## **Mobile Video System**

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- **DVD Player with Radio**
- **7 Inch Touch Screen Monitor**
- **RBDS Function**
- **My Music Operation**
- **Bluetooth Function**
- **USB Interface**
- **SD/MMC Card Interface**
- **Remote Control**

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## **SAFETY INFORMATION**

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### **□ Use This Product Safely**

This unit has been designed and manufactured to assure personal safety. Improper use can result in electric shock or fire hazard. The safeguards incorporated in this unit protect you if you observe the following procedures for installation, use and servicing. This unit doesn't contain any parts that can be repaired by the user.

#### **When Driving**

Keep the volume level low enough to be aware of road and traffic conditions.

#### **When Car Washing**

Do not expose the product to water or excessive moisture. This could cause electrical shorts, fire or other damage.

#### **When Parked**

Parking in direct sunlight can produce very high temperatures inside your vehicle. Give the interior a chance to cool down before starting playback.

#### **Use the Proper Power Supply**

This product is designed to operate with a 12 volt DC, negative ground battery system the regular system in a North American car).

#### **Protect the Disc Mechanism**

Avoid inserting any foreign objects into the slot of this player.

Failure to observe this may cause malfunction due to the precise mechanism of this unit.

#### **Use Authorized Service Centers**

Do not attempt to disassemble or adjust this precision product. Please refer to the Service Center list included with this product for service assistance.

#### **For Installation**

The unit should be installed in a horizontal position with the front end up at a convenient angle, but not more than 30°.

## **SAFETY INFORMATION**

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### **CAUTION:**

MOBILE DVD PLAYER IS A CLASS I LASER PRODUCT. HOWEVER THIS MOBILE DVD PLAYER USES A VISIBLE/INVISIBLE LASER BEAM WHICH COULD CAUSE HAZARDOUS RADIATION EXPOSURE IF DIRECTED. BE SURE TO OPERATE THE MOBILE DVD PLAYER CORRECTLY AS INSTRUCTED.

USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

DO NOT OPEN COVERS AND - DO NOT REPAIR YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.

### **WARNING:**

- TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.
- TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, AND ANNOYING INTERFERENCE, USE ONLY THE RECOMMENDED ACCESSORIES.
- THIS DEVICE IS INTENDED FOR CONTINUOUS OPERATION.

This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

### **Region Management Information**

Region Management Information: This Mobile DVD Player is designed and manufactured to respond to the Region Management Information that is recorded on a DVD disc. If the Region number described on the DVD disc does not correspond to the Region number of this Mobile DVD Player, this Mobile DVD Player cannot play this disc.

## DISC NOTES

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### Disc formats supported by this player



#### DVD

12 cm disc

(Single-sided disc only)



#### Video CD

12 cm disc



#### CD

12 cm disc



#### MP3

12 cm disc

### Handling and Cleaning

- Dirt, dust, scratches and warping discs will cause wrong operation.
- Do not place stickers or make scratches on discs.
- Do not warp discs.
- A disc should always be kept in its case when not in use to prevent from damage.
- Do not place discs in the following places:
  1. Direct sunlight.
  2. Dirty, dusty and damp areas.
  3. Near car heaters.
  4. On the seats or dashboard.

### Disc Cleaning

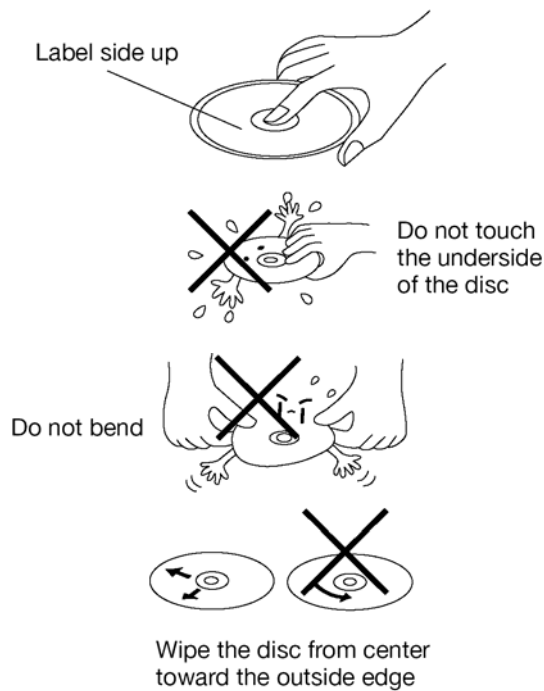
Use a dry soft cloth to wipe the surface. If the disc is quite dirty, using a soft cloth slightly dip with isopropyl (rubbing) alcohol. Never use solvents such as benzine, thinner or conventional record cleaners as they may mar the surface of the disc.

#### Note:

A disc may become somewhat scratched (although not enough to make it unusable) depending on the way it is handled and conditions in the usage environment. Note these scratches are not an indication of any problem with the player.

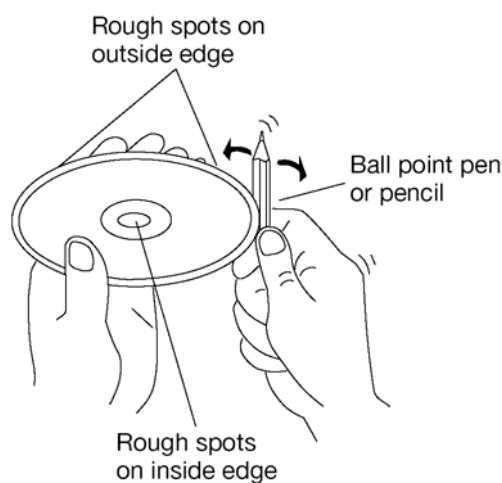
## DISC NOTES

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### Preparing New Discs with Rough Spots

A new disc may have rough edges on its inside and outside edges. If a disc with rough edges is used, the proper setting will not be performed and the player will not play the disc. Therefore, remove the rough edges in advance by using a ballpoint pen or pencil as shown on the right. To remove the rough edges, press the side of the pen or pencil against the inside and outside edges of the disc.

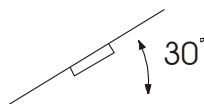


# INSTALLATION

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## Notes:

- Choose the mounting location where the unit will not interfere with the normal driving function of the driver.
- Before finally installing the unit, connect the wiring temporarily and make sure it is all connected up properly and the unit and the system work properly.
- Use only the parts included with the unit to ensure proper installation. The use of unauthorized parts can cause malfunctions.
- Consult with your nearest dealer if installation requires the drilling of holes or other modifications of the vehicle.
- Install the unit where it does not get in the driver's way and cannot injure the passenger if there is an emergency stop.
- If installation angel exceeds  $30^\circ$  from horizontal, the unit might not give its optimum performance.



- Avoid installing the unit where it would be subject to high temperature, such as from direct sunlight, or from hot air, from the heater, or where it would be subject to dust, dirt or excessive vibration.

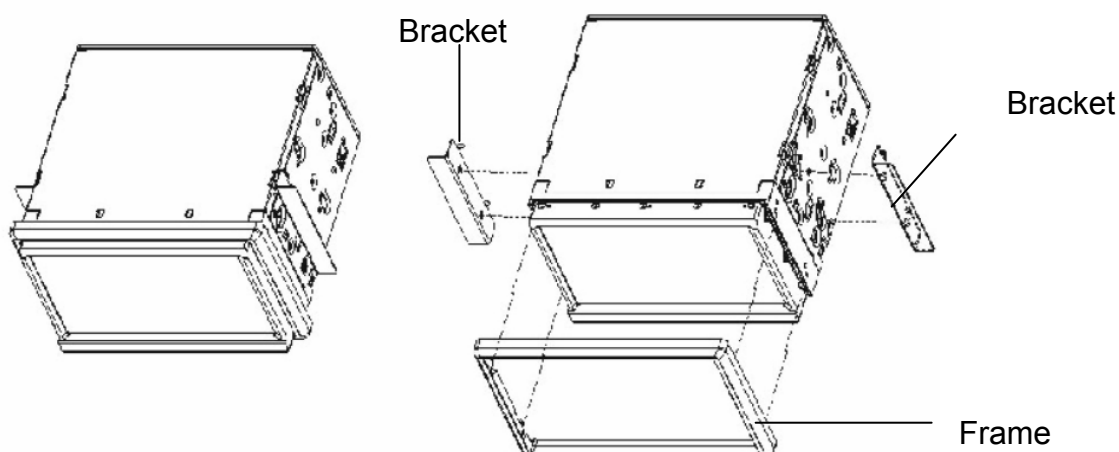
## Preparation

Please read entire manual before installation.

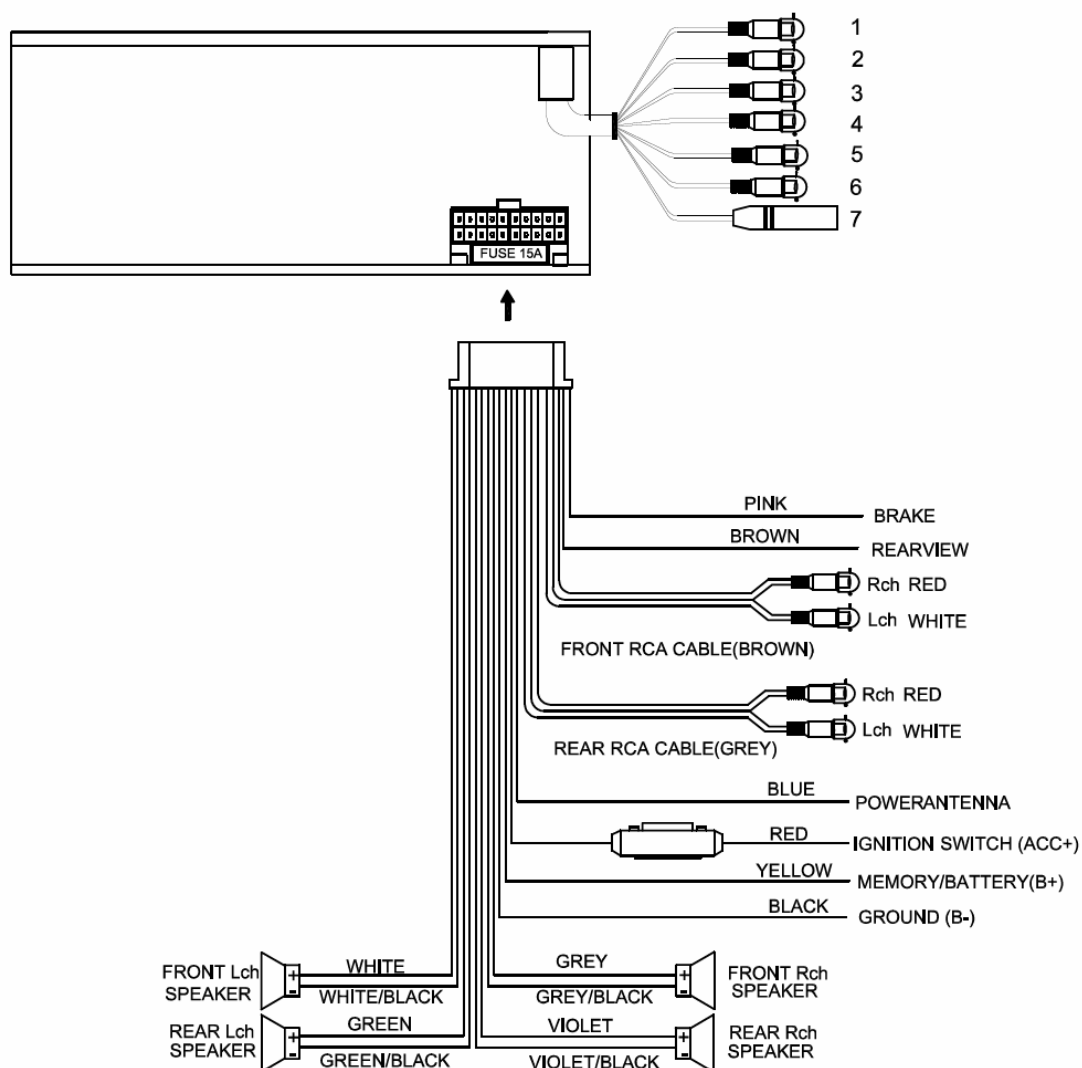
Before install the unit, please remove the two screws that locking the deck on the top of the unit.

## Before You Start

Disconnect negative battery terminal. (Consult a qualified technician for instructions). Avoid installing the unit where it would be subject to high temperature, such as from direct sunlight, or where it would be subject to dust, dirt or excessive vibration.



## CONNECTIONS



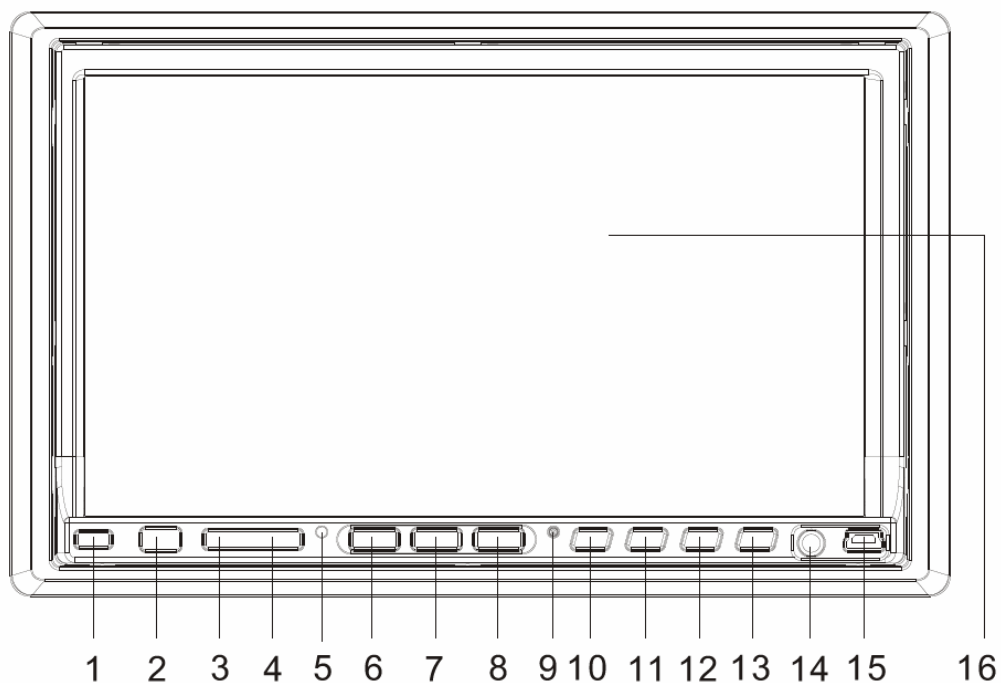
Line No.	Line color	Function (terminal color)
1	Black	Video input (YELLOW)
2	Black	Audio input right (RED)
3	Black	Audio input left (WHITE)
4	Grey	Video output (YELLOW)
5	Green	Rearview input (YELLOW)
6	Green	Subwoofer output (GREEN)
7	Black	Radio antenna connector (BLACK)



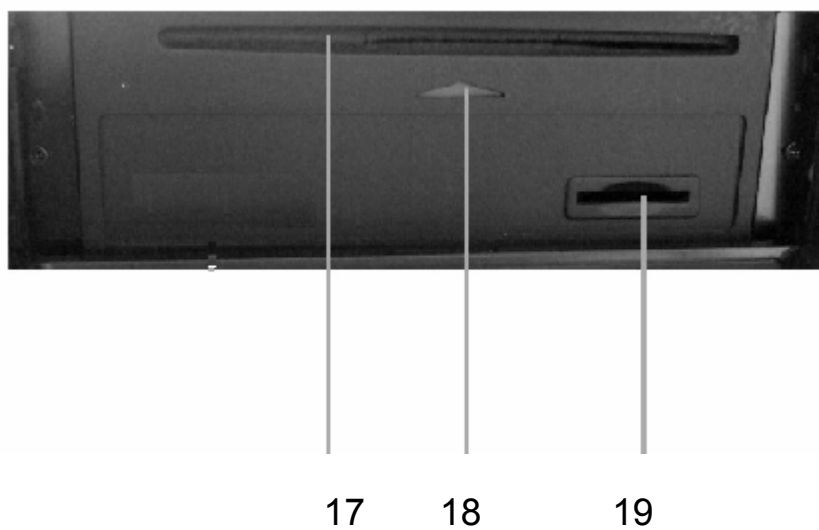
## LOCATIONS AND FUNCTION OF THE PLAYER

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### KEYS ON THE FRONT PANEL









### WHEN THE MONITOR TURNING DOWN:

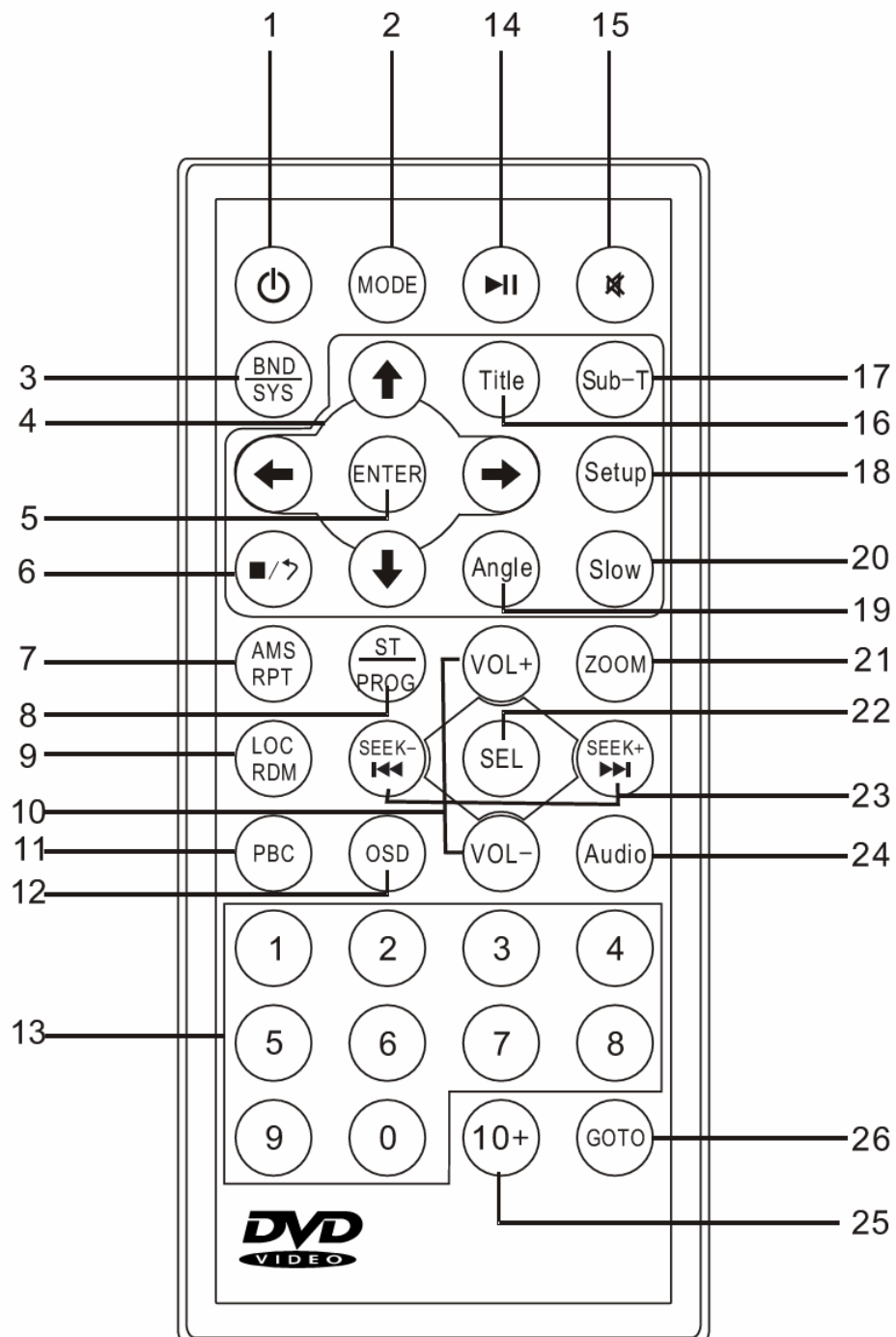


## LOCATIONS AND FUNCTION OF THE PLAYER

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1. /SRC: In power off status, press it to turn the unit on. Press it for several seconds to turn off the unit.  
In normal working status, press it to select the desired source mode, such as DVD, RADIO, AV IN, SD/USB ... etc.
2. IR (remote sensor): receive signal from the remote control to control the unit.
- 3 & 4. /  : Seek the radio stations, select the track backward/forward, how to operation please refer to the contents below.
5. MIC (for BT): In Bluetooth mode, use to voice input.
6. VOL-: Press to decrease the volume level.
7. SEL: Repeatedly press to select the audio mode to adjust, such as VOL, BAS, TRE, BAL, FAD.
8. VOL+: Press to increase the volume level.
9. RST: Reset button.
10.  : Press to eject the disc that in the disc slot of the unit.
11. MUTE: Press shortly to mute the sound, press it again to resume the sound.  
Hold press it to switch off the TFT display. Then touch the screen or press the buttons to switch on the display.
- 12 & 13. /  : Press to turn the monitor up or down to the desired position to your need.
14. AV IN interface: Provide the interface for AV IN.
15. USB interface: Provide the interface for USB player.
16. 7 inch TFT monitor: display the current information on the screen.
17. Disc Slot
18. LED for Disc slot
19. SD/MMC card interface for media play operation.

## LOCATIONS AND FUNCTION OF THE REMOTE CONTROL



## LOCATIONS AND FUNCTION OF THE REMOTE CONTROL

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1.   
Press it to turn on the unit. When the unit is on, press it to turn the unit off.
2. MODE  
When the unit is on, press it to select the different mode, such as RADIO, DISC, AV IN, SD/USB mode.
3. BND/SYS  
In radio mode, press it shortly to select the desired band, such as FM1, FM2, FM3, AM1 and AM2.
4.  / ,  /   
In case of menu mode, the buttons served as cursor buttons to select item left/right, up/down.
5. ENTER  
Press to confirm your selection.
6.  /   
In DISC/USB/SD/MY MUSIC mode, press it to stop the play and return to the logo picture.
7. AMS/RPT  
In radio mode, press to activate auto seek/preset store function.  
In media play mode, press to switch the repeat mode of discs.
8. ST/PROG  
In media play mode, press to enter into program mode to play the track in your desired sequence.  
In radio mode press to set the reception between mono mode or stereo mode.
9. LOC/RDM  
Press to t to play all tracks on the disc in random order.  
In radio mode, press it shortly to select between local and distant stations.
10. VOL+/VOL-  
Press to increase/decrease the volume level.
11. PBC  
It can be used to change between PBC ON and PBC OFF on the VCD disc.
12. OSD  
In DISC mode, press to display OSD (the on-screen display) information.
13. 0-9  
Numeric buttons.
14.   
Press to play/pause the playback.
15.   
Press to mute the sound, press it again to resume the sound.
16. Title  
Press to display the title menu of the DVD disc.
17. Sub-T  
Press to display the subtitle information of the DVD disc.
18. Setup  
In media play mode, press to enter into the DVD setup menu.
19. Angle  
Press to change the view angle on multi-angle DVD disc.
20. Slow  
For some discs, press to start slow forward function.
21. ZOOM  
Press to allow the picture to be increased in size.
22. SEL  
Press to enter into the audio selection mode, such as VOL, BAS, TRE, BAL, FAD.

## LOCATIONS AND FUNCTION OF THE REMOTE CONTROL

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### 23. SEEK- ◀◀/ SEEK+ ▶▶

Press shortly to skip to the previous/next track.

Press and hold it to activate fast reverse/forward function.

In radio mode, press it shortly to search the frequency backward/forward manually. Press and hold it to seek the frequency automatically.

### 24. Audio

Press to display the audio information of the DVD/VCD disc.

### 25. 10+

Digital selecting button for track, cooperatively used with numeric buttons.

### 26. GOTO

GOTO (Disc search button) used in DISC mode, cooperatively used with numeric buttons.

### *Using the Remote Control*

Point the remote control towards the remote control signal receiver on the player front face.

Operation angle: About  $\pm 30$  degree in each the direction of the front of the remote sensor.

## Preparing the Remote Control




### *Inserting the Batteries*

1. Open the battery compartment cover.
  2. Insert the new batteries. Make sure that the positive and negative terminals of the batteries are oriented as indicated.
  3. Close the cover.
- Battery: One button cell lithium battery (CR2025).



## BASIC OPERATION

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### TURNING ON/OFF THE UNIT

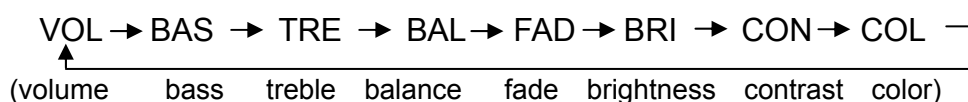
Press  button on the front panel or on the remote control to turn the unit on. When the unit is on, press  button on the front panel for several seconds or press  on the remote control will turn the unit off.

### PANEL ANGLE ADJUST

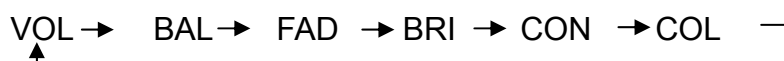
The front monitor panel can be turn down or turn up to some degree by using / buttons on the front panel.

### SOUND ADJUSTMENT

Repeatedly press **SEL** button on the front panel of the unit or on the remote control to select the desired adjustment mode. The adjustment mode will change in the following order:



After selecting your desired mode, you can adjust the current mode being displayed by using **VOL+/-** buttons on the front panel or **VOL+/VOL-** buttons on the remote control. Note: When P-EQ mode is activated (not in EQ OFF mode), press **SEL** button to select the modes. And Bass /Treble modes are invalid. (Shown as below)




### REMOTE SENSOR

There is a remote sensor on the front panel. You can point the remote control to the remote sensor and press functions keys on the remote control to control the unit. Note to operate it within the certain operation angle.

### VOLUME LEVEL ADJUSTMENT


Press the **VOL+/-** buttons on the front panel of the unit or **VOL+/VOL-** buttons on the remote control to adjust the volume level. You can also adjust the volume level by tapping the volume bar displayed on the screen.

### MUTE FUNCTION

Press **MUTE** button on the front panel shortly or  on the remote control will mute the sound. Press it again will resume the sound.

Hold press **MUTE** button on the front panel to switch off the TFT display, then touch the screen or press buttons to switch on the display.

### MODE SELECTION

When the unit is on, press  **SRC** button on the front panel or **MODE** button on the remote control to select the desired mode to enjoy. Such as RADIO, DISC, SD/USB, AV IN, BT, MY MUSIC mode.

## **BASIC OPERATION**

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Note: If there isn't any disc in the disc slot, DISC mode will be skipped.

### **BRAKE FUNCTION**

If the brake wire (pink wire) isn't connected to the ground (when driving), the video picture will not be shown on the screen in DISC/AV/USB/SD mode for safety purpose. Only the audio will be heard.

Note: Only when parking, the video picture can be seen on the screen. When driving, the warning information will be displayed.

### **RESET FUNCTION**

The reset button **RST** is on the front panel of the unit.

It must be activated with either a ballpoint pen or thin metal object. The reset button is to be activated for the following reasons:

1. Initial installation of the unit when all wiring is completed.
2. All the function buttons do not work.
3. Error symbol on the display.



## MENU OPERATION

### MAIN MENU

In the current mode, click  icon on the screen to return to the menu interface.

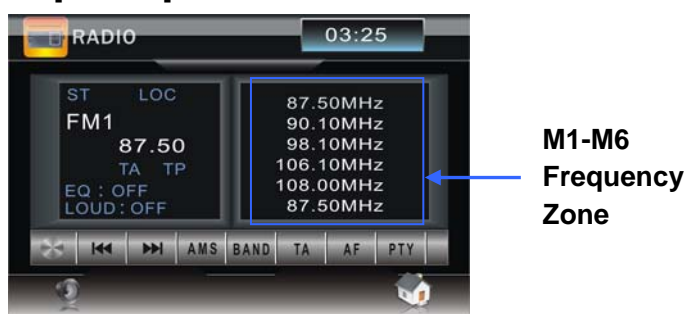


Click the different icon on the interface to enter into the desired mode. The following contents will introduce the different functions the unit provides.

Click  icon to enter into the Setting interface. Click  to exit the main menu interface and return to the current mode.

### 1. RADIO OPERATION

In the main menu click [RADIO] icon to enter into the radio interface:



- ※ **BAND** --- Click **BAND** icon to select the different band.  
You can also press **BND/SYS** on the remote control to select desired band. The reception band will change in the following order: FM1 → FM2 → FM3 → AM1 → AM2.
- ※ **◀/▶** --- click to select channel downward or upward manually.  
Press **◀/▶** buttons on the remote control or click **◀/ ▶** on the screen shortly to adjust frequency manually.  
During radio mode, hold press **◀/▶** on the remote control or hold press **◀/▶** on the screen to activate automatic seek function. The frequency is updated correspondingly on display.
- ※ **LOUD** --- click to switch loudness on or off.
- ※ **AMS** --- click to start automatic memory storing/program scanning function.
  - ✧ Automatic Memory StoringPress and hold **AMS** button on remote control about several seconds or hold



## MENU OPERATION

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press **AMS** icon on the screen, the radio searches from the current frequency and checks the signal strength until one cycle search is finished. And then stations are stored into the preset number button in turn according to the strength of the stations. When auto seek is finished, it will enter into preset scan mode automatically.

### ✧ Program Scanning

Shortly press **AMS** button on the remote control or click **AMS** icon on the screen to scan all station presets saved in memory. And it will hold at each station for several seconds.

### ※ STATION STORING

The preset buttons (numeric buttons 1~6) on remote control and M1~M6 frequency bar displayed on right zone of the touch screen can be used to store 6 stations in each band for convenient access to your favorite stations. The stations might be FM1, FM2, FM3, AM1, AM2 band. The operation is as below:

#### ■ Programming stations

1. Select the desired band, then tune in the station you want to store in memory.
2. Press and hold one of the preset buttons or M1~M6 frequency bar for several seconds, the current station will be stored to the location button. Repeat steps 1. and 2. to program additional stations.

#### ■ Quick tuning

Select the desired band, then press one of the six preset buttons on remote control or tap M1~M6 frequency bar displayed on screen will retrieve the corresponding station which had been stored in the memory.

### ※ MONO/STEREO

You can press **ST** button on remote control or click **ST** icon on the screen to select mono or stereo mode. When click **ST** icon, it changes to **MO** icon. When click **MO** icon, it changes to **ST** icon.

You can sometimes improve reception of distant stations by selecting mono operation.

### ※ LOCAL/DISTANCE

Press **LOC** button on the remote control or click **LOC** icon on the radio menu to select between local and distant stations. When click **LOC** icon, it changes to **DX** icon. When click **DX** icon, it changes to **LOC** icon.

Local setting for reception of strong station, and a distant setting for reception of weaker stations.

When search station in local mode, if there is no station available, it will switch to distant mode and search station automatically. If there is no station available, it will stop searching and return to local mode.

When search station in distant mode, if there is no station available, it will stop searching in distant mode.

## MENU OPERATION

### ※ EQUALIZATION

EQ--- click to change the equalization mode, such as OFF, ROCK, JAZZ, CLAS.

### ※ RBDS OPERATION



- a) Click **TA** icon on the screen to switch TA on or off. When TA on, the unit will search Traffic Announcement automatically. When received a Traffic Announcement station, the unit will change to the Traffic Announcement station automatically. Click TA icon to exit TA mode.

- b) Click **PTY** icon on the screen to select program.

PTY icon is operated as follows:

PTY group one → PTY group two → PTY off

While selecting PTY engagement, its selection is implemented by preset M1~M6 frequency bar or 1-6 numeric buttons on the remote control.

According to the two allotted group, the preset number is used for **PTY** selection as follows:

#### Group one:

M1: COUNTRY, OLDIES  
M2: SOFT, NOSTALGI  
M3: JAZZ, CLASSICS  
M4: UNASSIGN


#### Group two:

M1: NEWS, INFO, SPORT  
M2: TALK, ROCK, CLASS R  
M3: ADULT H, SOFT R, TOP 40  
M4: RHYTHM B, SOFT R B, LANGUAGE  
M5: RELIGI M, RELIGI T, PERSONAL  
M6: PUBLIC, COLLEGE, WEATHER

When PTY is selected, the radio starts to search corresponding PTY information, and stops if the corresponding PTY information is detected. When one program is detected, the name will appear on the screen. Then click PTY icon two times, the PS information (station name) will appear on the screen.

If corresponding PTY information is not existed any more, PTY engaging is automatically exit to normal mode.


Note: AF icon is invalid for RBDS operation.


- ※  --- Click the icon on the screen to return to the main menu interface.

## MENU OPERATION

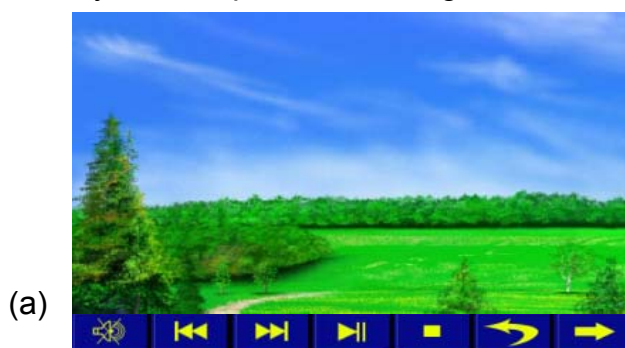
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### 2. DISC OPERATION

If there is no disc in the disc slot, in any mode press  button on the front panel to slide down the monitor panel then insert a disc into the disc slot, the unit will switch to the Disc mode and play the disc automatically.

If there is a disc in the disc slot, press  **SRC** button on the front panel or **MODE** button on the remote control or tap [DISC] icon on the MENU interface to change the mode to DISC mode, then the unit will play the disc automatically.

※ In the DISC interface, tap anywhere of the touch screen to display the DISC control interface, you can operation it using these icons on the screen.











Click  to enter into the operation interface (b) and (c).



#### ※ DVD VIDEO MENU PLAY

When playing a DVD disc in the DVD player:

1) The disc will be played automatically and stop at menu picture.

Use  / ,  /  cursor buttons on the remote control or click  / ,  /  icons on the screen to move between the highlight bars in the menu.





2) Press **ENTER** button on the remote control or click OK icon on the touch screen to confirm the selected item.

3) You can click **MENU** icon on the screen to return to the menu of the DVD disc.





#### ※ EJECTING A DISC

Press  on the front panel to eject the disc.

#### ※ STOP PLAYBACK

Press  button or click  icon to stop the playback and go back to the LOGO. Then click  on the screen or press  on the remote control to start play.

#### ※ SKIP TO THE PREVIOUS/NEXT TRACK

During playing, click  /  icons on the screen or press  /  buttons on

## MENU OPERATION

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the remote control during playback will skip to the previous/next track.

**Note:** For some VCD2.0 discs (PBC-playback control), ►►/◄◄ buttons or ►► / ◄◄ icons may be unavailable.

Note you can use the numeric buttons (0-9) and 10+ button on the remote control to select the track directly.

### ※ PAUSING PLAY

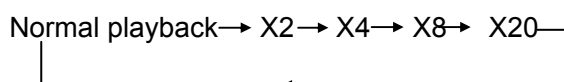
Press ►|| on the remote control or click ►|| on the screen during playback will stop playback temporarily. To return to normal playback, press ►|| again.

### ※ RAPID FORWARD/RAPID REVERSE

Hold press ►► / ◄◄ on the screen or hold press ►►/◄◄ on the remote control during playback.

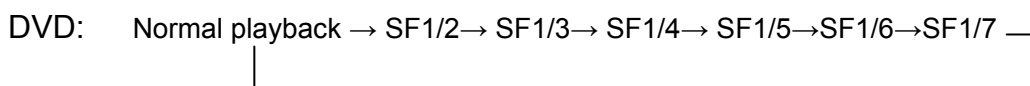
Each time the button is pressed, the speed of rapid forward /reverse changes according to the disc as follows.

DVD/VCD/CD/MP3:



### ※ SLOW MOTION PLAYBACK

Press **Slow** on the remote control during play. Each time the button is pressed, the speed of slow forward (SF) changes according to the disc as follows.



In slow motion state, click PLAY icon on the screen or press ►|| on the remote control, normal playback to recover normal playback.

### ※ PBC MENU PLAYBACK OF VCD/SVCD

For some VCD or SVCD discs, there is a menu in order to select the desired contents. This menu is called PBC (Playback Control) menu.

Press **PBC** button on the remote control to change between PBC ON and PBC OFF on the disc.

In PBC ON mode, REPEAT, RANDOM, PROGRAM and GOTO functions are unavailable.

### ※ ON-SCREEN DISPLAY FUNCTION





Press the **OSD** button on the remote control or click OSD icon on the screen during playback to display the console information of the current disc on the screen.

For an example (when playing a DVD disc):

Once you press **OSD** button on the remote control or click OSD icon on the screen you will see the information as the following order.

## MENU OPERATION

DVD TT 3/5 CH 1/17 C 00:01:49  
 DVD TT 3/5 CH 1/17 00:01:50  
 00FF 00FF 00FF  
 DVD TT 3/5 CH 1/17 C -00:05:16  
 DVD TT 3/5 CH 1/17 T 00:01:56  
 DVD TT 3/5 CH 1/17 T -01:43:40

- 1) Item: TT  
Function: Display the current title number and total title number.
- 2) Item: CH  
Function: Display the current chapter number and total chapter number.
- 3) Item:  (This icon only displayed for several seconds, after several seconds it will disappeared.)  
Function: Display the played time of the current chapter.
- 4) **C**:- Display the remaining time of the current chapter.
- 5) **T**: Display the played time of the current title.
- 6) **T**:- Display the remaining time of the current title.
- 7) **C**: Display the played time of the current chapter.
- 8)  00FF  00FF  00FF

Display the current disc's language, audio type, subtitle language and play angle.

Note: The displayed information is different according to different type of discs.


### ※ REPEAT PLAY

Repeat play: when you want to repeat playing the whole disc or a track or a chapter in the disc.


- Press **RPT** button on the remote control or click **RPT** icon on the screen repeatedly to select different repeat modes.
- For different kinds of discs, pressing **RPT** button has different effects.

For example:

DVD:

REP:[OFF] → REP:[CHAPTER] → REP:[TITLE] → REP:[ALL]  


MP3:

REP:[OFF] → REP:[REP ONE] → REP:[REP DIR] REP:[REPALL]  


**Note:** REPEAT feature does not support VCD2.0 (with PBC ON).

### ※ RANDOM PLAY

Click **RDM** icon on the screen or press **RDM** button on the remote control switch between random on or off. When random on, it will play the tracks or programs on random order.

## MENU OPERATION

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### ※ GOTO FUNCTION

FOR DVD:

Press **GOTO** button on the remote control, the screen will display the information as followed:

DVD TT 03/05CH 004/017 00:00:06

Use the numeric buttons and **←** / **→** buttons to move the cursor position to input the desired Title, Chapter or Time, then press **ENTER** button on the remote control to confirm.

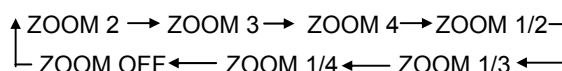
FOR VCD (WITH PBC OFF)/CD:

You can input the Track and Time then press **ENTER** to confirm.

### ※ ZOOM FUNCTION

Allows the picture to be increased in size. Press **ZOOM** button on the remote control to toggle among 2 scale, 3 scale and 4 scale, 1/2 scale, 1/3 scale, 1/4 scale.

When the scale is 1/4 times, press **ZOOM** button again to cancel the zoom function.



During Zoom mode, press **←** / **→**, **↑** / **↓** buttons on the remote control to move pictures up, down, left or right direction.

### ※ SPECIAL FUNCTIONS FOR DVD

#### Multi-subtitle Language Function

Press **Sub-T** on the remote control or click **SUB-T** icon on the screen during playback. The corresponding information will be shown on the screen.

Each time the button is pressed, the subtitle language changes in sequential order.

Notes:

- The language number is different according to the disc.
- Some discs only contain one subtitle language.

#### Multi-audio Language Function

Press **Audio** on the remote control or click **L/R** icon on the screen during playback. The corresponding information will be shown on the screen.

Each time the button is pressed, the audio soundtrack language changes on sequential order.

Notes:

- The language number is different according to the disc.
- Some discs only contain one soundtrack language.

## MENU OPERATION

### Multi-angle Function

Press **Angle** button on the remote control during playback. The corresponding information will be shown on the screen.

Each time the button is pressed, the angle changes in sequential order.

Notes:

- The angle number is different according to the disc.
- The function only works for discs having scenes recorded at different angles.

### ※ AUDIO FUNCTION FOR VCD

For VCD, press **Audio** on the remote control or click **L/R** icon on the screen during playback to change the channel, such as MONO L, MONO R, and STEREO.

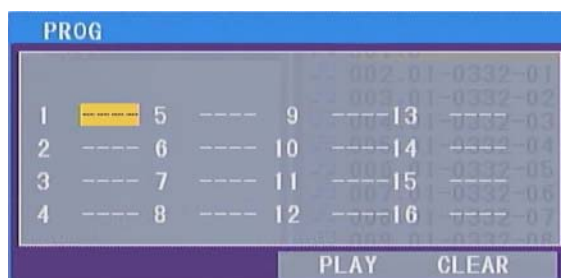
### ※ PROGRAM PLAY

In program play mode, you can play the track in your desired sequence.

To program play a disc, please follow the next instructions.

**For VCD/CD/MP3:**

- 1) In PBC OFF mode. Press **PROG** button on the remote control to enter program edit interface.



- 2) Use **← / →**, **↑ / ↓** cursor buttons to select the items you want to program. The items you selected will become highlight.
- 3) Input the sequence number you want to program by numeric buttons (0-9) on the remote control.
- 4) Use cursor buttons to select **PLAY** character, then press **ENTER** button on remote control to confirm. And “PRG PLAY” will appear on the screen. The unit will play the tracks you programmed.
- 5) If you want to clear the program, use cursor buttons to select **CLEAR** character and press **ENTER** will clear the information you have programmed. And “PRG CANCEL” will appear on the screen.

**For DVD:**

The operation is the same as VCD/CD operation.

Press **PROG** button on the remote control the following media play window will be shown on the screen:

## MENU OPERATION



※ EQ--- Click to change the equalization mode, such as OFF, ROCK, JAZZ, CLAS.

※  --- Click to mute the sound, click it again to resume the sound.

※ DVD SETUP

In DISC mode, when the disc is playing or in stop mode, press **Setup** on the remote control to enter setup menu.

When the cursor is on the topside, use **←** / **→** buttons to move between the different pages, such as SYSTEM SETUP, LANGUAGE SETUP, AUDIO SETUP VIDEO SETUP, and DIGITAL SETUP.

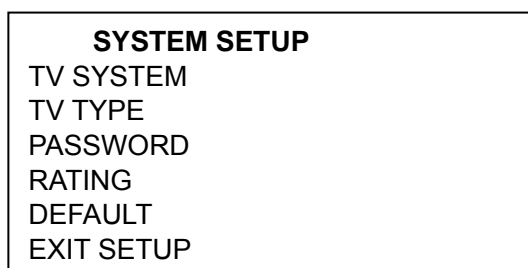


\* Press **↓** button to move the cursor to the setup page below and then you can use **↑** / **↓** buttons to move between the different setup options.

\* Press **→** button to display the choice list for each setup option and then use **↑** / **↓** buttons and **ENTER** button to change your selection.

### 1) SYSTEM SETUP

When you open the setup menu, you will see the system setup page at first, see below:



\* TV SYSTEM: Change the TV SYSTEM among AUTO, NTSC and PAL.

\* TV TYPE: Change the TV TYPE among 4:3 PS, 4:3 LB and 16:9.

\* PASSWORD: Change the PASSWORD lock or unlock, the default PASSWORD is "0000".

\* RATING: Change the parental RATING among 1KID SAFE, 2G, 3PG, 4PG13,



## MENU OPERATION

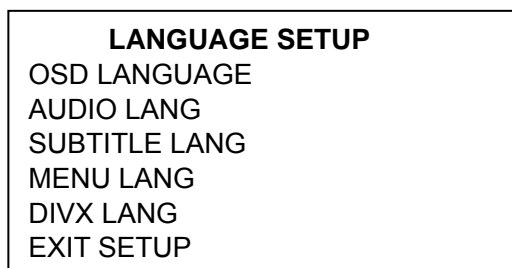
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5PG-R, 6R, 7NC-17, 8ADULT.

\* DEFAULT: Restore the system setup to the default setup.

### 2) LANGUAGE SETUP

When you open the language setup menu, you will see the language setup page:



You can change the OSD LANGUAGE among: English, German, Spanish, French, Portuguese, and Russian.

You can change the AUDIO LANGUAGE among: Portuguese, English, Japan, French, Spanish, Russian, Latin and German.

You can change the SUBTITLE LANGUAGE among: Portuguese, English, Japan, French, Spanish, Russian, German and OFF.

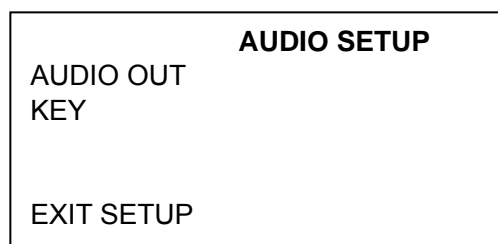
You can change the MENU LANGUAGE among: Portuguese, English, Japan, French, Spanish, Russian, German and Latin.

You can change the DIVX LANGUAGE among: WESTERN EU and CYRILLIC.

Note when you select CYRILLIC language, the language on MY MUSIC interface or information on WMA/MP3 file play will be changed into Cyrillic language.

### 3) AUDIO SETUP

When you open the AUDIO menu, you will see the following picture:



\* AUDIO OUT: Change among SPDIF/OFF, SPDIF/RAW and SPDIF/PCM.

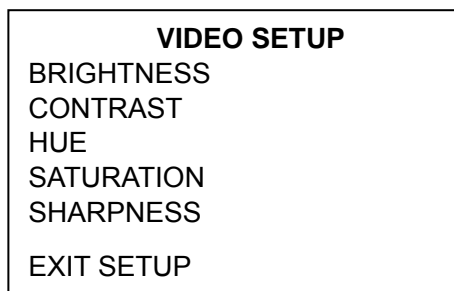
\* KEY: Change the tone within a certain range.

### 4) VIDEO SETUP

When you open the VIDEO menu, you will see the following picture:

## MENU OPERATION

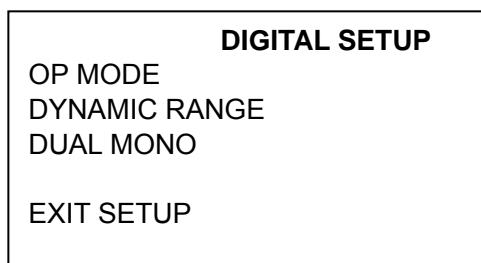
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You can adjust the value of the brightness, contrast, hue, saturation and sharpness.

### 5) DIGITAL SETUP

When you open the DIGITAL menu, you will see the following picture:



\* OP MODE: to set the operating modes for Dolby Digital decoder, there are LINE OUT and RF REMOD to be selected.

\* DYNAMIC RANGE: you can adjust the dynamic range between OFF, 1/8, 2/8, 3/8, 1/2, 5/8, 3/4, 7/8, FULL.

\* DUAL MONO: there are STEREO, MONO L, MONO R and MIX MONO to be selected.

### ※ LAST PLAY MEMORY

1) During disc playback, if you turn off the unit and then turn on the unit again, the DVD unit will resume playing from the point that just interrupted.

2) During disc playback, if you press **SRC** button on the front panel or **MODE** button on the remote control to switch to other mode, then return to DISC mode again, the unit will resume playing from the point that just interrupted.

※  --- click to return to the main menu interface.

## 3. BLUETOOTH OPERATION

In the main menu click [BT] icon to enter into the following interface:



## MENU OPERATION


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Before you read this Bluetooth instruction please note the following points:

- a) The Bluetooth function is optional, you just can use this function which you bought the products including Bluetooth function.
- b) This function needs your mobile phone support Bluetooth.
- c) The initial secret code is "0000".


※ Use the Bluetooth mobile phone to pair with the unit. During any mode, setting your mobile as "Bluetooth connect" when it is connected successfully, the screen will show a "CONNECT OK" word.


※  --- click to enter into the Dial interface.

Use the number buttons (0-9, \*, #) on the dial keypad on the left of the screen to input the number you need. Click  icon to clear the number you input.

Then click  to make an outgoing call. Click  to hang up the call.

When there is an incoming call, click  to pick up the call or click  to hang up the call.

 --- click to transfer the voice between the main unit and the Bluetooth mobile phone.

When connected OK and in Dial interface, click  again to disconnect it (note Pair is in normal state).

※  --- click to enter into the Call Record interface.



In this interface, you can search the received calls, dialed calls and missed calls record. The phone numbers that stored in SIM card will be displayed on the right-bottom zone of the screen.

※  --- click to enter into the BT music interface.

The unit supports Bluetooth audio function. If your mobile phone supports A2DP function, when the paring is ok, you can choose the unit you have paired to play the stereo music.

## MENU OPERATION



During playing, click / on the screen or press / buttons on the remote control during playback will skip to the previous/next track.

Click on the screen or press on the remote control to play/pause the normal playback. Click on the screen or press on the remote control to stop normal playback.

Note: when playing music, you can not make any phone call. When there is an incoming call, you can choose to answer it or not.

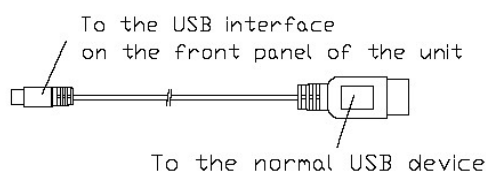
※ ---- click to the current mode, such as radio, DISC...

## 4. SD/USB OPERATION

### USB

On the front panel of the unit there is an interface for USB. When you connect an USB to the interface, it can play the audio/video files on the USB.

**Note** to use a conversion cable to connect the USB device with the normal terminal through the little USB interface on the front panel.



In the main menu click [SD/USB] icon to enter into the USB play interface. You can select the audio, photo, video files to play.

Touch the screen to display the control icons and use the control icons or the buttons on the remote control to operate the USB play.

You can refer to the 2.DISC operation above.

### SD

When the front monitor panel turns down, you can see the SD/MMC interface on the housing.

## MENU OPERATION

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**Note** the SD/MMC interface on the right is for SD operation. When you insert the SD card, it will enter into the SD play interface.

In the main menu click [SD/USB] icon to enter into the SD play interface. You can select the audio, photo, video files to play.

Tap somewhere of the touch screen, the icons used to control the SD play will appear. Use the control icons or the buttons on the remote control to operate the SD play. You can refer to the 2. DISC operation above.

### 5. MY MUSIC OPERATION

There is a music device connector wire supplied with the unit. First connect one terminal of the wire to the music device, then connect another terminal to the AV IN jack on the front panel of the main unit and the terminal to the USB interface on the front panel. On the main menu click [MY MUSIC] icon to enter into the MY MUSIC interface. The unit can play the files on the music device.



- ※ In the MY MUSIC interface, tap anywhere of the touch screen to display the control interface on the bottom of the screen, you can operation it using these icons on the screen.



The function of the icons you can refer to the description in the DISC operation. Note the function of MENU icon is to return to the previous interface.

#### Note:

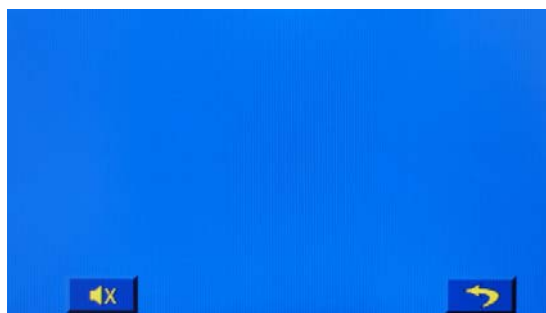
- (1) If you first connect the music device connector wire to the USB interface and the AV IN jack, and the another terminal isn't connect to the music device, the screen will display USB mode and it will not enter the MY MUSIC mode when you connect the music device.
- (2) When you want exit the MY MUSIC mode and remove the music device, you should remove the terminal that connected to the AV IN jack and the USB interface first. If you first remove the MY MUSIC device directly from another terminal, it can't exit the MY MUSIC mode from the screen, you should press SRC or MODE button to switch to another mode.

## MENU OPERATION


### 6. AV IN OPERATION

On the front panel of the unit, there is an auxiliary input jack **AV IN**. On the back of the unit, there is also a group auxiliary input jacks. You can connect the auxiliary device from these jacks. In the main menu click [AV IN] icon to enter into the corresponding interface.

But note when the two AV IN jacks all have input signal, when enter into the AV IN mode, you can't receive proper effect, because these two signal source will interfere. You are suggested to connect one group of auxiliary input source.



※  --- click to mute or resume the sound.

※  --- Click the icon to return to the main menu interface.

### 7. REARVIEW OPERATION

On the back of the unit, there is a jack for rearview video in. When click the [REARVIEW] icon on the main menu to enter back sight function, the unit will play the video information that input from the rearview video in jack.

When the brown rearview line of the unit is connected to +12V, the picture of the screen will switch to rearview picture automatically.

### 8. SETUP OPERATION

In the main menu click  icon to enter into the Setting interface:



Click the corresponding icon on the menu to enter into the setting.



--- Click to return to the main menu interface.



--- Click to return to the current mode, such as radio or DISC...

## MENU OPERATION

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### ※ System



TIME ZONE --- Click the hour or minute that you want to change, then click the '-' and '+' to adjust the value.

Click 12 or 24 to select 12 hour time format or 24 hour time format.

Click Save to confirm the time setting.

AREA ZONE --- Click the icon for different country to select the country you are staying. There are Europe, USA, South America, Russia, and Australia/Mid-East to be selected. Note for some countries, click 'Russia' is invalid.

BEEP ZONE --- Click ON or OFF to switch beep sound on or off.



### ※ Display



#### Display Mode

Click Standards, Soft, Bright and Custom to enter the corresponding appearance display.

#### Picture Adjust



--- Brightness adjustment



--- Contrast adjustment

## MENU OPERATION

---



--- RGB (Chroma) adjustment

Click '+' and '-' to adjust the value of brightness, contrast and RGB.



--- click to back to main menu interface.

### ※ DSP



#### PRESET EQ

Click the different icon on the picture to select the corresponding equalization mode: Rock, Jazz, Standards and Classical.

Loudness --- select ON or OFF

Subwoofer --- select ON or OFF

Treble --- click '+' and '-' to adjust the value of treble

Bass --- click '+' and '-' to adjust the value of bass

### ※ Sound Field



Use the cursor icons up, down, left and right to adjust the sound effect of the four areas.

### ※ Touch Calibration

Click to enter into the touch screen calibration function. How to set it please refer to the information on the screen.



## **TROUBLESHOOTING GUIDE**

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What might appear to be a malfunction in your unit may just be the result of slight misoperation or miswiring. Before calling service, first check the following table for possible problems.

Under no circumstances should you try to repair the player yourself, as this will invalidate the warranty. Only qualified service personnel can remove the cover or service this player.

### **The power does not turn on.**

- The lead wires are not connected properly to the connectors.
  - Make sure the connection is correct.
- The fuse has blown.
  - After checking for short circuits in the wires, replace the fuse with one having the same rating.
- The internal processor is not working due to noise or other factors.
  - Press the reset button to reset the unit to factory defaults.

### **The remote control does not work. The unit does not operate even when the correct buttons on the remote control are pressed.**

- Battery capacity is low.
  - Install new batteries.
- Some operations are disabled in specific states.
  - Enter the correct mode.

### **The disc can not play.**

- Disc is of poor quality or damaged or not clean.
  - Clean or replace the disc with one of higher quality.
- The disc installed is not supported by the unit.
  - Examine the disc type.
- The disc installed is not compatible with the video system.
  - Replace the disc with one compatible with your video system.

### **The desired source is not selected although you press the MODE button.**

- An optional unit required to listen to each source is not connected yet.
  - Connect the optional unit correctly.
- The reset button is not pressed yet although the optional unit has been connected to the unit.
  - Press the reset button.

### **Nothing happens when the button are pressed.**

- An optional unit required to listen to each source is not connected yet.
  - Connect the optional unit correctly.
- The MCU in the unit is not functioning normally.
  - Press the reset button on the unit.

## **TROUBLESHOOTING GUIDE**

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### **No video image appears.**

- The unit is not connected to the parking brake detection switch.
  - Make proper connections.
- The parking brake is not engaged.
  - For safety reasons no television/video images are displayed while the vehicle is moving. Engaging the parking brake will cause images to be displayed.

### **The sound quality is poor or distorted.**

- One of the speaker wires is being pinched by a screw in the car.
  - Check the speaker wiring.
- The speakers are not wired correctly.
  - Reconnect the speaker wires so that each output terminal is connected to a different speaker.

### **Radio reception is poor.**

- The car antenna is not extended.
  - Pull the antenna out all the way.
- The antenna control wire is not connected.
  - Connect the wire correctly.

### **The sound/picture skips on a DVD/VCD/CD/MP3.**

- The disc is scratched or dirty.
  - Clean the disc.

### **A track will not play.**

- Random play has been selected.
  - Turn off random play.

### **A VCD cannot be played using menus.**

- The VCD disc being played is not compatible with PBC.
  - Menu playback is available only with VCD discs recorded with PBC.

### **The viewing angle cannot be changed.**

- The DVD disc being played does not contain the recording of more than one angle.
  - The viewing angle cannot be changed when the DVD disc being played does not contain the recording of more than one angle.
- You are attempting to switch the angle in a DVD section where more than one angle is not recorded.
  - More than one viewing angle may be recorded only in limited sections in a disc.

## SPECIFICATIONS

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### GENERAL

Power Supply Requirements	: DC 12 Volts, Negative Ground
Maximum Output Power	: 4x40 watts
Current Drain	: 15 Ampere (max.)

### RADIO

#### (U.S.A.)

##### FM

Frequency Coverage	87.5 to 107.9 MHz
Sensitivity (S/N=30dB)	10 dBu
Image Rejection	>45dB
Stereo Separation	>25dB

##### AM

Frequency Coverage	530 to 1710 kHz
Sensitivity (S/N=20dB)	36 dBu
Image Rejection	>45 dB

### DVD

Signal system:	Compositive video 1.0Vp-p 75Ω
Discs played:	(1) DVD-VIDEO disc 5" (12 cm) single-sided, single-layer 5" (12 cm) single-sided, double-layer (2) Compact disc (CD-DA/CD-R/CD-RW/MP3) (3) (12 cm) VIDEO CD
Monitor Screen Size:	7.0" TFT
Solution:	480 (RGB) X234 DOT

### Note:

Specifications and design are subject to modification, without notice, due to improvements in technology.